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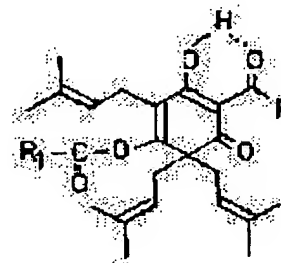
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(54) BETA-ACID @ (3754/24) LUPULONES) ACYL DERIVATIVE HAVING ANTIOXIDATION ACTION

(57)Abstract:

PURPOSE: To obtain the subject derivative being stable, capable of exhibiting strong antioxidation activity in vivo and useful for medicines, beverages and foods, etc., by acylating β acids (lupulones) obtained from hop.

CONSTITUTION: β -Acids (lupulones) obtained from hop are made to react with an acylating agent such as an acid chloride in a solvent such as pyridine or dichloromethane at ordinary temperature to 0° C for 1-24hr to provide the objective compound of the formula [R is CH(CH₃)₂ or CH₂CH(CH₃)₂, etc.; R₁ is H, 1-20C alkyl, alkenyl, etc.].



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